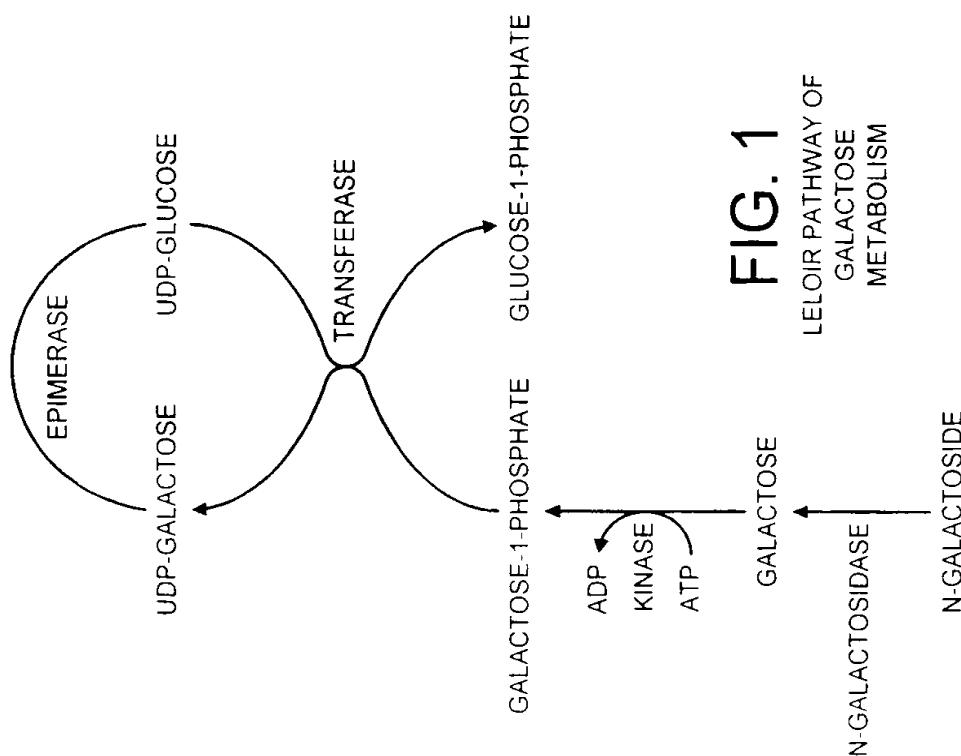


**FIG. 1**  
LELOIR PATHWAY OF  
GALACTOSE  
METABOLISM



**FIG. 2**  
PETUNIA GALACTOSE  
METABOLISM

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ACTGGAGAACCATGAGCAATTAAATCCCGTGTACATCCACATGCCGCTACAACCCGGCAATGGATTCTGGTTTACCGGACCGCG 100  
 P S L I M T Q F N P V D H P H R R Y N P L T G Q W I L V S P H R 28  
  
 CTAAGGCCCTGGCAGGGGGCAGGGAAACGCCAACAGGTGTACCTGGCACAGATCCAGATTGCTTCCTCTGCAGGGTAATGTGCGGGTGAC 200  
 A K R P W Q G A Q E T P A K Q V L P A H D P D C F L C A G N V R V T 62  
  
 AGGGATAAAAACCCGATTAACCGGGACTTACGGTTTCACTAATGACTTTGCGGCTTGTGACACGCGCAGATGCCAGAAAGTCACGATCCG 300  
 G D K N P D Y T G T Y V F T N D F A A L M S D T P D A P E S H D P 95  
  
 CTGATGCGTGGCCAGGGCGGGGACCCAGGGGATCTGGCTTACCGGATCACAGTAAACGCTGCCAGAGCTAGGGTGCAGCATGGACGG 400  
 L M R C Q S A R G T S R V I C F S P D H S K T L P E L S V A A L T 128  
  
 AAATCGTCAAAACCTGGCAGGGAGAACCTGGGAAACTGGGAAACCTGGCTAACGAGCTTGGGGTGCAGGGTTTGAACAAAGGCGCCATGGGGTGCCTCAA 500  
 E I V K T W Q E Q T A E L G K T Y P W V Q V F E N K G A P M G C S N 162  
  
 CCCGGCATCCGACCGGTCAAGATTGGCAAATAGCTTCCCTGCCTAACGAGCTGAGCCGAAGACCCGCTGCAAAAGAACACTGGTTAGCCGAAACAGAAATTTGCCGAAACAGAAATCA 600  
 P H P H G Q I W A N S F L P N E A E R E D R L Q K E Y F A E Q K S 195  
  
 CCAATGGTGGATTATGGTTCAGGGTAGGGTGGAGACGGTAGGGTACCGTTGGCTGGAAACCGAACACTGGTTAGCCGCTGGCTTACTGGGTGGCCT 700  
 P M L V D Y V Q R E L A D G S R T V V E T E H W L A V V P Y W A A 228  
  
 GGCGGTTGAAACGCTACTGCTGCCAAAGCCCACGGTTACCGATTGACCGACGCCAGCGCAGCGATCTGGGGCTGGCTGGCTGGCCT 800  
 W P F E T L L P K A H V L R I T D A Q R S D L A L K K L 262  
  
 GACCAAGTCGTTATGACAACCTTCCAGTGTCTCCCTACTCTGGCTGGCACGGCCATTAAATGGCGAAGAGGAATCAAACACTGGCAGCTG 900  
 T S R Y D N L F Q C S F P Y S M G W H G A P F N G E E N Q H W Q L 295  
  
 CACGGCAGCTTATCCGCCTCTGGCTCCGCACCGTACGTAATTATGGTGGTTATGAAATGCTGGAGACCGAGACCTGACCGCAG 1000  
 H A H F Y P P L R S A T V R K F M V G Y E M L A E T Q R D L T A 328  
  
 AACAGGCAGGAGGGTTGGCGCAGTCAGCGATATCCATTTCGCGAAATCCGGAGTGAAGTCGACT 1069  
 E Q A A E R L R A V S D I H F R E S G V - SAI 348

**FIG. 3**

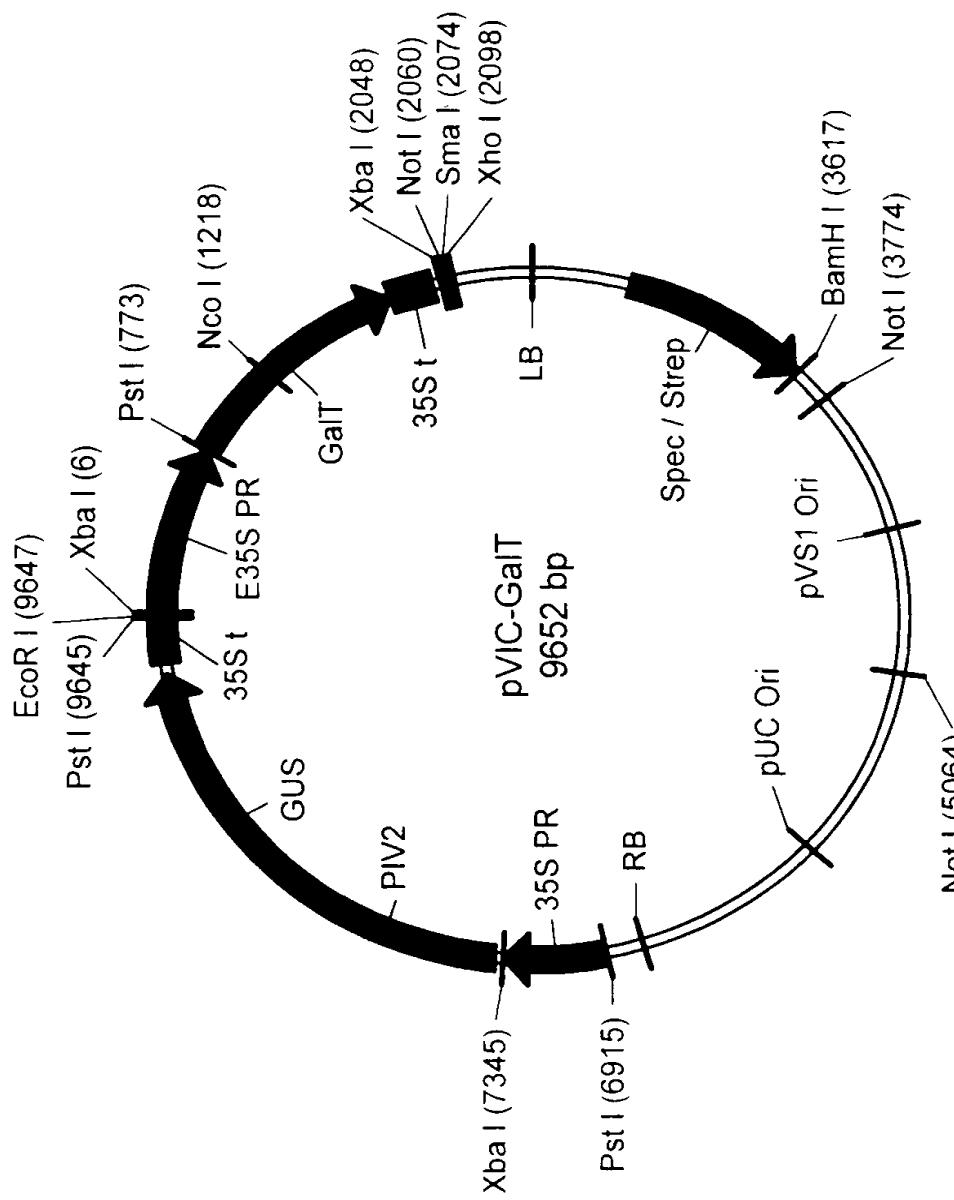


FIG. 4